Page 1 of 7

TECH CENTER 1600/2900

1643

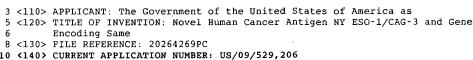
RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/529,206

DATE: 07/28/2000 TIME: 13:30:24

Input Set : A:\20264261.app

Output Set: N:\CRF3\07282000\1529206.raw



C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/529,206

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C--> 11 <141> CURRENT FILING DATE: 2000-06-13
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13 <150> PRIOR APPLICATION NUMBER: US60/061,428

14 <151> PRIOR FILING DATE: 1997-10-08 16 <160> NUMBER OF SEQ ID NOS: 106 18 <170> SOFTWARE: PatentIn Ver. 2.0

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23 <213> ORGANISM: Homo sapiens

25 <400> SEQUENCE: 1

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30 aagggeeteg gggeegggag gaggegeee geggggteeg eatggeggeg eggetteagg 300 31 gctgaatgga tgctgcagat gcggggccag ggggccggag agccgcctgc ttgagttcta 360 32 cetegocaty cetticoga cacceatgga ageagagety geoegeagga geetggeeca 420 33 ggatgcccca ccgcttcccg tgccaggggt gcttctgaag gagttcactg tgtccggcaa 480 34 catactgact atccgactga ctgctgcaga ccaccgccaa ctgcagctct ccatcagctc 540 35 ctgtctccag cagctttccc tgttgatgtg gatcacgcag tgctttctgc ccgtgttttt 600

36 ggctcagcct ccctcagggc agaggcgcta agcccagcct ggcgcccctt cctaggtcat 660 37 gcctcctccc ctagggaatg gtcccagcac gagtggccag ttcattgtgg gggcctgatt 720 38 gtttgtcgct ggaggaggac ggcttacatg tttgtttctg tagaaaataa aactgagcta 780 39 cgaaaaaaaa aaaaaaaaa aaaaa

41 <210> SEQ ID NO: 2 42 <211> LENGTH: 540 43 <212> TYPE: DNA

44 <213> ORGANISM: Homo sapiens

46 <400> SEQUENCE: 2

59 <212> TYPE: DNA

47 atgcaggccg aaggccgggg cacagggggt tcgacgggcg atgctgatgg cccaggaggc 60 48 cctggcattc ctgatggccc agggggcaat gctggcggcc caggagaggc gggtgccacg 120 49 ggcggcagag gtcccgggg cgcaggggca gcaagggcct cggggccggg aggaggcgcc 180

50 ccgcggggte cgcatggcgg cgcggcttea gggctgaatg gatgctgcag atgcggggcc 240 51 agggggccgg agagccgcct gcttgagtte tacctcgcca tgcctttcgc gacacccatg 300 52 gaagcagage tggcccgcag gagcctggcc caggatgccc caccgcttcc cgtgccaggg 360 53 gtgcttctga aggagttcac tgtgtccggc aacatactga ctatccgact gactgctgca 420 54 gaccaccgcc aactgcaget etecateage teetgtetee ageagettte cetgttgatg 480 55 tggatcacge agtgetttet geoegtgttt ttggeteage eteceteagg geagaggege 540

57 <210> SEQ ID NO: 3 58 <211> LENGTH: 174

60 <213> ORGANISM: Homo sapiens

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TECH CENTER 1600/2900 DATE: 07/28/2000

TIME: 13:30:24

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/529,206

Input Set : A:\20264261.app

Output Set: N:\CRF3\07282000\I529206.raw

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  64 caggagagge gggtgccacg ggcggcagag gtccccgggg cgcaggggca gcaagggcct 120
  65 eggggeeggg aggaggegee eegegggte egeatggegg egeggettea ggge
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  69 <212> TYPE: PRT
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  76 Gly Pro Gly Gly Pro Gly Ile Pro Asp Gly Pro Gly Gly Asn Ala Gly 77 \phantom{\bigg|}20\phantom{\bigg|}25\phantom{\bigg|}30\phantom{\bigg|}
  79 Gly Pro Gly Glu Ala Gly Ala Thr Gly Gly Pro Gly Pro Arg Gly Ala
80 35 40 45
  82 Gly Ala Ala Arg Ala Ser Gly Pro Gly Gly Gly Ala Pro Arg Gly Pro 83 50 60
  85 His Gly Gly Ala Ala Ser Gly Leu Asn Gly Cys Cys Arg Cys Gly Ala
86 65 70 75 80
  86 65
  88 Arg Gly Pro Glu Ser Arg Leu Leu Glu Phe Tyr Leu Ala Met Pro Phe
                                                90
                        85
  91 Ala Thr Pro Met Glu Ala Glu Leu Ala Arg Arg Ser Leu Ala Gln Asp 92 \phantom{\bigg|}100\phantom{\bigg|}100\phantom{\bigg|}105\phantom{\bigg|}
  94 Ala Pro Pro Leu Pro Val Pro Gly Val Leu Leu Lys Glu Phe Thr Val
95 115 120 125
     115
  97 Ser Gly Asn Ile Leu Thr Ile Arg Leu Thr Ala Ala Asp His Arg Gln
98 130 135 140
  100 Leu Gln Leu Ser Ile Ser Ser Cys Leu Gln Gln Leu Ser Leu Leu Met
101 145 150 155 160
  103 Trp Ile Thr Gln Cys Phe Leu Pro Val Phe Leu Ala Gln Pro Pro Ser
104 165 170 175
  106 Gly Gln Arg Arg
  107
                    180
  110 <210> SEQ ID NO: 5
  111 <211> LENGTH: 58
  112 <212> TYPE: PRT
  113 <213> ORGANISM: Homo sapiens
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  117 1
                          5
                                                10
  119 Met Leu Ala Ala Gln Glu Arg Arg Val Pro Arg Ala Ala Glu Val Pro 120 25 30
  122 Gly Ala Gln Gly Gln Gln Gly Pro Arg Gly Arg Glu Glu Ala Pro Arg
123 35 40 45
  125 Gly Val Arg Met Ala Ala Arg Leu Gln Gly 126 \phantom{000}50\phantom{000}
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131 <212> TYPE: PRT
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TIME: 13:30:24

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/529,206

Input Set : A:\20264261.app

Output Set: N:\CRF3\07282000\1529206.raw

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140 <211> LENGTH: 9
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146 1
149 <210> SEQ ID NO: 8
150 <211> LENGTH: 9
151 <212> TYPE: PRT
152 <213> ORGANISM: Homo sapiens
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156 .1
159 <210> SEQ ID NO: 9
160 <211> LENGTH: 9
161 <212> TYPE: PRT
162 <213> ORGANISM: Homo sapiens
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165 Gly Ala Thr Gly Gly Arg Gly Pro Arg
169 <210> SEQ ID NO: 10
170 <211> LENGTH: 9
171 <212> TYPE: PRT
172 <213> ORGANISM: Homo sapiens
174 <400> SEQUENCE: 10
175 Gly Pro Arg Gly Ala Gly Ala Ala Arg
176 1
179 <210> SEQ ID NO: 11
180 <211> LENGTH: 9
181 <212> TYPE: PRT
182 <213> ORGANISM: Homo sapiens
184 <400> SEQUENCE: 11
185 Leu Ala Gln Pro Pro Ser Gly Gln Arg
186 1
189 <210> SEQ ID NO: 12
190 <211> LENGTH: 9
191 <212> TYPE: PRT
192 <213> ORGANISM: Homo sapiens
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195 Val Ser Gly Asn Ile Leu Thr Ile Arg
196 1
199 <210> SEQ ID NO: 13
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201 <212> TYPE: PRT
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RAW SEQUENCE LISTING PATENT APPLICATION: US/09/529,206

DATE: 07/28/2000 TIME: 13:30:24

Input Set : A:\20264261.app

Output Set: N:\CRF3\07282000\I529206.raw

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209 <210> SEQ ID NO: 14
210 <211> LENGTH: 9
211 <212> TYPE: PRT
212 <213> ORGANISM: Homo sapiens
214 <400> SEQUENCE: 14
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216 1
219 <210> SEQ ID NO: 15
220 <211> LENGTH: 10
221 <212> TYPE: PRT
222 <213> ORGANISM: Homo sapiens
224 <400> SEQUENCE: 15
225 Thr Val Ser Gly Asn Ile Leu Thr Ile Arg
226 1
229 <210> SEQ ID NO: 16
230 <211> LENGTH: 10
231 <212> TYPE: PRT
232 <213> ORGANISM: Homo sapiens
234 <400> SEQUENCE: 16
235 Thr Ile Arg Leu Thr Ala Ala Asp His Arg
236 1
239 <210> SEQ ID NO: 17
240 <211> LENGTH: 10
241 <212> TYPE: PRT
242 <213> ORGANISM: Homo sapiens
244 <400> SEQUENCE: 17
245 Ala Thr Pro Met Glu Ala Glu Leu Ala Arg
246 1
249 <210> SEQ ID NO: 18
250 <211> LENGTH: 10
251 <212> TYPE: PRT
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254 <400> SEQUENCE: 18
255 Phe Leu Ala Gln Pro Pro Ser Gly Gln Arg
259 <210> SEQ ID NO: 19
260 <211> LENGTH: 10
261 <212> TYPE: PRT
262 <213> ORGANISM: Homo sapiens
264 <400> SEQUENCE: 19
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266 1
269 <210> SEQ ID NO: 20
270 <211> LENGTH: 10
271 <212> TYPE: PRT
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DATE: 07/28/2000

TIME: 13:30:24

Input Set : A:\20264261.app Output Set: N:\CRF3\07282000\1529206.raw 272 <213> ORGANISM: Homo sapiens 274 <400> SEQUENCE: 20 275 Arg Cys Gly Ala Arg Gly Pro Glu Ser Arg 276 1 279 <210> SEQ ID NO: 21 280 <211> LENGTH: 10 281 <212> TYPE: PRT 282 <213> ORGANISM: Homo sapiens 284 <400> SEQUENCE: 21 285 Ala Ala Ser Gly Leu Asn Gly Cys Cys Arg 286 1 - 5 289 <210> SEQ ID NO: 22 290 <211> LENGTH: 10 291 <212> TYPE: PRT 292 <213> ORGANISM: Homo sapiens 294 <400> SEQUENCE: 22 295 Leu Ala Gln Pro Pro Ser Gly Gln Arg Arg 296 1 299 <210> SEQ ID NO: 23 300 <211> LENGTH: 10 301 <212> TYPE: PRT 302 <213> ORGANISM: Homo sapiens 304 <400> SEQUENCE: 23 305 Arg Gly Pro Arg Gly Ala Gly Ala Ala Arg 306 309 <210> SEQ ID NO: 24 310 <211> LENGTH: 10 311 <212> TYPE: PRT 312 <213> ORGANISM: Homo sapiens 314 <400> SEQUENCE: 24 315 Leu Asn Gly Cys Cys Arg Cys Gly Ala Arg 316 1 319 <210> SEQ ID NO: 25 320 <211> LENGTH: 10 321 <212> TYPE: PRT 322 <213> ORGANISM: Homo sapiens 324 <400> SEQUENCE: 25 325 Ala Ser Gly Pro Gly Gly Gly Ala Pro Arg 326 329 <210> SEQ ID NO: 26 330 <211> LENGTH: 15 331 <212> TYPE: PRT 332 <213> ORGANISM: Homo sapiens 334 <400> SEQUENCE: 26

335 Ala Gly Ala Ala Arg Ala Ser Gly Pro Gly Gly Gly Ala Pro Arg

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/529,206

Please Note:

336

339 <210> SEQ ID NO: 27 340 <211> LENGTH: 14 341 <212> TYPE: PRT

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

DATE: 07/28/2000 TIME: 13:30:25

PATENT APPLICATION: US/09/529,206

Input Set : A:\20264261.app

Output Set: N:\CRF3\07282000\1529206.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:620 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:54 L:620 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:54 L:620 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:54